

Please amend the claims as follows:

D³
1. (Twice Amended) A substantially purified nucleic acid molecule that encodes a maize glutamyl-tRNA reductase enzyme or fragment thereof, wherein said nucleic acid molecule comprises a nucleic acid sequence selected from the group consisting of SEQ ID NOs: 586, 590, 594, 596, 597, 599, 600, 601, 604, 605 and complements thereof.

D⁴
10. (Amended) The substantially purified nucleic acid molecule according to claim 1, wherein said nucleic acid molecule comprises a nucleic acid sequence having between 100% and 90% identity with a sequence selected from the group consisting of SEQ ID NOs: 586, 590, 594, 596, 597, 599, 600, 601, 604, 605, and complements thereof.

Please add the following new claims:

D⁵
22. (Added) A substantially purified nucleic acid molecule according to claim 10, wherein said nucleic acid molecule comprises a nucleic acid sequence having between 100% and 95% identity with a sequence selected from the group consisting of SEQ ID NOs: 586, 590, 594, 596, 597, 599, 600, 601, 604, 605, and complements thereof.

23. (Added) A substantially purified nucleic acid molecule consisting of a nucleic acid sequence selected from the group consisting of SEQ ID NOs: 586, 590, 594, 596, 597, 599, 600, 601, 604, and 605.

Remarks

Claim 2 has been canceled without prejudice to or disclaimer of the underlying subject matter. Claims 1 and 10 have been amended. Claims 22 and 23 have been added. Support for the foregoing claim amendments and new claims may be found throughout the specification, for example at page 30, lines 10-18, at page 67, lines 18-20, Table A, and in the original claims. No new matter enters by these amendments. Upon entry of the foregoing amendments, claims 1 and 10-23 are pending in the application.

The specification has been amended to correct obvious typographical errors. For example, at page 30, the same SEQ ID NOs (*i.e.*, SEQ ID NOs: 266 through 289 and 570